

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name San Gabriel	County Los Angeles		
Authorized Signature	Title		
Type/Print Name of Person Signing	Date	Phone () Include Area Code	
Person Completing This Form (please print or type) Zane Poulson	Title Integrated Waste Management Specialist		
Affiliation: CIWMB			
Mailing Address	City	State	ZIP Code
E-Mail Address			

Section II: Information for New Generation-Based Study for Existing or New Base Year			
Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").			
<i>Note: New base years must be representative of a jurisdiction's disposal and diversion.</i>			
1. Current Board-approved existing base year:	2. Proposed new generation-based study year:		
1990	1998		
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:			
The City performed a waste generation study to identify diversion quantities for residential and non-residential sectors. Disposal tonnage was obtained from DRS and corrected for errors. Disposal tonnage after correction is consistent with prior years. there were no atypical construction or demolition projects in 1998. The nature of all measured activities is consistent with prior years, and the level of tonnage generated is expected to continue into the foreseeable future. Diversion quantities were obtained from a limited study and the franchise hauler. All diversion is consistent with prior years.			
4. Enter diversion rate information below.			
Diversion rate calculated using existing base year	a. -74 %	Diversion rate calculated using new generation-based study	b. 28 %
For existing base year pounds/person/day based on generation	5.17	For new generation based study pounds/person/day based on generation	9.39
Residential generation 30 %	Non-Residential generation 70 %	Residential generation 32% %	Non-Residential generation 68% %
Population existing generation-based study	37,120	Population new generation-based study	40,450
5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).			
The diversion rate calculate in 4a above (74%) using the existing base year is "incalculable." In other words, the 1990 base year figures are erroneous and do not reflect the actual waste generation conditions within the community. It appears that disposal was undercounted significantly in 1990, rendering the base year unusable. Examination of the 1990 data shows a generation rate of 5.2 lbs per person per day (residential plus non-residential sectors), which was inconsistent with the level of diversion activity. adding diversion, the per capita generation rate was only 5.23 lbs per person per day, which is extremely low compared to the current stat generation average of about 9.4 lbs per capita per day (1998 data from CIWMB). The new generation study resulting in a diversion rate of 28% is consistent with the programming extant in the City and yields a per capita generation rate of 9.3 lbs. per person per day.			
6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)			
The original 1990 base year was inaccurate and under reported both disposal and diversion tonnage. The new base year was developed using a limited field study among businesses and an accurate tally of haulers' diversion and disposal tonnage, including that provided by the DRS.			

7. Disposal Tonnage (enter values):	17047	Residential	32810	Non-Residential	Total	49857
Please select the ONE choice below that best explains your disposal data and complete the required tables.						
a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)						
b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmrb.ca.gov/LGCentral/Forms/rytnmdrq.doc)						
c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmrb.ca.gov/LGCentral/Forms/rytnmdrq.doc)						

- 8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested. Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes,inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms**

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmrb.ca.gov/LGCentral/Paris/Co des/Reduce.htm	(A)	(A) Total Generation			
Residential Source Reduction Activities					
Backyard composting		0.0%			
Grassrecycling		0.0%			
Other Residential Source Reduction (list each program separately)					
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal Residential Source Reduction	0	0.0%			
Residential Recycling Activities					
Curbside Recycling			aluminum cans, glass bottles, newspaper, plastic bottles #s 1 & 2.	Actual weights from hauler records	Weight tickets, Athens Services office
Buyback Centers	1484	2.1%	cans, glasses, and plastic	Actual weights from DOC records	Weight tickets, DOC and City office
Drop-off Centers	71	0.1%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.oitwmib.ca.gov/LGCentral/Paris/Co-des/Reduce.htm	(A)	(A/Tot Generation)			
Other Residential Recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	1555	2.2%			
Residential Composting Activities					
Green Waste Drop-off					
Curbside Green Waste	3235	4.7%	residential yard and lawn clippings (used as ADC)	Actual weights from hauler records	Weight tickets, Athens Services Office
Christmas Tree Program					
Other Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	3235	4.7%			
Subtotal, Residential Diversion	4790	6.9%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*	1415	2.0%		See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
Enter Program name					
Enter Program name					
Enter Program name					
Enter Program name					
Subtotal, Non-Residential Source Reduction	1415	2.0%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at www.dwmb.ca.gov/LGCentral/Parts/Code/Reduce.htm	(A)	(A/Total Generation)			
Recycling	502	0.7%			
Non-Residential Waste Audits*					
Other Non-Residential Recycling (list each program separately)					
MRF Processing	6047	8.7%	Recyclable material from non-residential waste, includes paper, metals, plastics, wood, leather, and rubber.	Actual Weights from facility records	Weight tickets, Athens Services office
Commercial on-site Collection	11	0.0%	Cardboard	Actual weights from hauler records	Weight tickets, Athens Services office
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	6560	9.5%			
Non-Residential Composting Activities					
Non-Residential Waste Audits*					
Other Non-Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	0	0.0%			
Subtotal Non-Residential Diversion	7975	11.5%			
Residential/Non- Residential Diversion Activities					
ADC	1343	1.9%	Greenwaste (excluding the residential curbside greenwaste collected by the City's hauler)	Actual weights from LA Sanitation District reports	Weight tickets, LA County Sanitation District office
Sludge					
Scrap Metal					
Construction and Demolition Landfill Salvage	5380	7.8%	Inert materials from construction activities	Actual weights from landfill records	Weight tickets, LA County Sanitation District office
Subtotal Residential/ Non-Residential Diversion	6723	9.7%			
Total Res/Non-Res Source Reduction Tons	1415	2.0%			
Total Diversion Tons	19488	28.1%			
Total Disposal Tons from Sec. 7	49857	71.9%			
Total Generation Tons (Div+Dis)	69345				
Diversion Rate	28%				

9. Specific Non-Residential Sector Waste Audits-- Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.
(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities (e.g., paper recycling, grasscycling) (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other _____
Golf Course	1	Grasscycling	784			783.83	1.1%	O
School District	2	Grasscycling & Office Equipment Auction	470			469.52	0.7%	P
Grocery Store	3	OCC Recycling, Pallet Reuse	4	266		269.86	0.4%	
Printing	4	Recycling Newspaper		132		132	0.2%	O
Cemetery	6	Grasscycling	103			102.74	0.1%	
Parks & Recreation	7	Grasscycling	53			53.27	0.1%	
Grocery Store	8	Reuse & Recycle Pallets, Recycle OCC, Shrink-wrap, and plastic bags	2	40				O
Resturants	9	OCC and glass bottle recycling		30		42.04	0.1%	
High School	10	CRV and newspaper recycling		19		30	0.0%	
Medical Center	5	Recycle OCC and office paper		15		19	0.0%	
		Totals	1415.16	502.1		1917.26	2.8%	

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling; quantified by monthly tonnage receipts provided by the contact person at the business).

Grasscycling

Four generators (1,2,6 and 7) practiced grasscycling. Each of the businesses provided information identifying the acreage where grasscycling was applied. The acreage was multiplied by a factor of 7.61 tons per acre from a UC cooperative study titled, Reusing Turf Grass Clippings to Improve Turfgrass Health and Performance In Southern California, by Janet Hartin.

OCC Recycling

Seven generators (3, 5, 8, and 9) with (9) representing four restaurants, recycled OCC. (3) baled the cardboard and provided hauler weight tickets for documentation. (8) bales the cardboard and provided the average weight of a bale at 700 lbs. and stated that the facility generates an average of two bales per week. (5) and (9) provided weight tickets from the hauler.

Paper Recycling

Three generators (4, 5, and 10) recycle paper. The recycler who collects the newspaper from (4) estimated that they divert an average of 11 tons per month. (5) provided receipts from the hauler for the amount of material diverted. (10) estimated the total amount of newspaper diversion for the year.

Beverage containers (glass, metal, and plastic) Recycling

Five generators (9 and 10) with (9) representing four restaurants, the restaurants (9) provided the total diversion amounts from hauler records. (10) provided an estimate of the total diversion for the year.

Office Equipment (classroom desks) Reuse

Generator (2) auctions off old classroom desks, the school district provided an estimate of 150 old desks auctioned off per year at an average weight of 20 lbs per desk.

Generator (8) recycles shrink wrap and plastic grocery bags. The facility estimates that one 3 cubic yard bin of loose plastic shrink wrap and plastic grocery bags are recycled per week. The Tellus conversion factor of 22.55 lbs per cubic yard was used to estimate the total weight.

Plastic Pallet Recycling

Generator (8) reuses plastic pallets. The facility estimates that about 45 pallets are reused within their system and the USEPA conversion factor of 40 lbs per pallet was used to estimate the total weight.

Wood Pallet Reuse and Recycling

Two generators (3 and 8) recycle and/or reused wood pallets. All pallets (200 for number 3 and 45 for number 8) were estimated by the business and the USEPA conversion factor of 40 lbs per pallet was used to estimate the total diversion.

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concreter, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: *program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.").*

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Inert Solids	▼ Puente Hills Landfill diversion	1992	724
Inert Solids	▼ Peck Road Landfill diversion	1992	4656
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: *If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.*

Instead please provide date of Board approval of previously submitted information.

_____ (Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note:** *Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.*

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			

Business Audit Diversion for the City of San Gabriel

Diversion Number	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	Tons
1	Golf course	Grasscycling	Grass	103 acres @ 7.61 tons of grasscycling per acre, CIWMB study - Exhibit 1	783.83
2	School District	Grasscycling	Grass	61.5 acres @ 7.61 tons of grasscycling per acre, CIWMB Study - Exhibit 2	468.02
		Auctioned Off	Office furniture such as desks and chairs and electronic equipment such as computer		1.5 10.00
3	Grocery store	Recycling	OCC	Recycler verified tonnage - Exhibit 3	265.86
		Reuse	Wood (pallets)	40 lbs/pallet per USEPA (200 pallets in delivery system, each counted only once)	4.00
4	Printing	Recycling	Newspaper	Recycler verified tonnage - Exhibit 4	132.00
5	Printing & medical center	Recycling	OCC, office paper and coated book stock	Recycler verified tonnage - Exhibit 5	15.0 -105.00
6	Cemetery	Grasscycling	Grass	13.5 acres @ 7.61 tons of grasscycling per acre, CIWMB study - Exhibit 6	102.74
7	Park & Recreation	Grasscycling	Grass	7 acres @ 7.61 tons of grasscycling per acre, CIWMB study - Exhibit 7	53.27
8	Grocery store	Reuse	Wood (pallets)	40 lbs/pallet per USEPA (45 pallets in delivery system, each counted only once)	0.90
		Reuse	Plastic (pallets)	40 lbs/pallet per USEPA (45 pallets in delivery system, each counted only once)	0.90
		Recycling	Wood (pallets) Plastic (shrink-wrap & grocery bag combined)	40 lbs/pallet per USEPA (2 pallets per week, 104 pallets/yr.) Store estimated 210 lbs/week - Exhibit 8	2.08 1.76 -5.46
		Recycling	OCC	2 bales/week @ 700 lbs/bale, actual weight - Exhibit 8	36.40

Board Meeting
December 11-12, 2001

Agenda Item
Attachment 2

		Recycling			OCC	Recycler verified tonnage - Exhibit 9	
	Four restaurants	Recycling	OCC	Glass			17.40
9						Recycler verified tonnage - Exhibit 9	12.60
10	High School	Recycling	Cans, glass/plastic bottles and newspaper			Actual weight (all materials combined per school) - Exhibit 10	18.57
						Total	2019.03
						Revised Total	1916.83